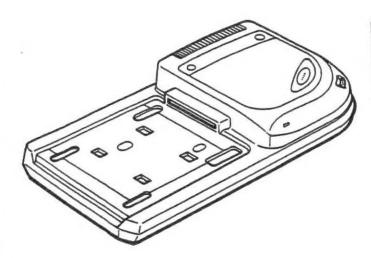
# SEGA SERVICE MANUAL

# SEGA CD II / MEGA CD II



NO.	002 – 2	
ISSUED	JUNE, 1994	

# SUPPLEMENT

### CONTENTS

L DIFFERENCE TABLE · · · · · · · · · · · · · · · · · · ·	. 2
2. SCHEMATIC DIAGRAM ·····	. 3
3. CIRCUIT BOARD DIAGRAM · · · · · · · · · · · · · · · · · · ·	. 9
4. EXPLODED VIEW & PARTS LIST	
4-1. Exploded View · · · · · · · · · · · · · · · · · · ·	11
4-2. Mechanical Parts List · · · · · · · · · · · · · · · · · · ·	12
4-3. Electrical Parts List · · · · · · · · · · · · · · · · · · ·	12
A-A Accessories/Package List ·····	16

Sega Enterprises, Ltd.

### BEFORE USING THIS SERVICE MANUAL

Although the products described in the service manual (No.002) used  $1.6 \times 0.8$ mm chips (leadless) resisters and capacitors, the size has been changed to  $2.0 \times 1.25$ mm and also the pattern has been changed. Use this service manual when servicing the products with serial No.T30282001 and later.

### 1. DIFFERENCE TABLE

#### 1-1. IC

	Service Manual No.002			Serial No.T30282001 and later		
No.	Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
1	IC001	314-0367	IC 74HC04	IC951	315-0853	IC TC7S04F
2	IC002	314-0407	IC 74HC74	IC952	314-0407	IC 74HC74
3	IC110	837-9798	IC BD MEGA CD2 PCM BD		Not	used

#### 1-2. CD Drive Unit

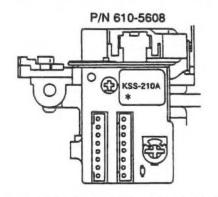
1) Differences electrical parts between CD DRIVE UNIT with P/N 610-5608 and P/N 610-5603.

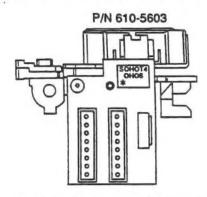
Circuit No.	P/N 610-5608	P/N 610-5603	Circuit No.	P/N 610-5608	P/N 610-5603	
Chip Resister		Chip Capacitor	1			
R414	1.8 kohm	2.2 kohm	C428	0.056 μ F	Not used	
R421	220 kohm	82 kohm	C451	15 pF	8 pF	
R422	150 kohm	Not used				
R423	220 kohm	270 kohm	Electrolytic Capacotor			
R424	15 kohm	20 kohm	C412	22 μ F/6.3V	47 μ F/6.3V	
R426	4.7 kohm	3.3 kohm				
R448	91 ohm	82 ohm	1			
R449	10 kohm	0 ohm				
R450	33 kohm	Not used				
R491	150 kohm	180 kohm				

2) Tracking gain adjustment value.

	P/N 610-5608	P/N 610-5603	
Tracking gain adjustment value.	1 kHz/0 dB	800 Hz/0 dB	

How to discriminate CD DRIVE UNIT between P/N 610-5608 and P/N 610-5603





- (\*) The CD DRIVE UNIT can be discriminated by checking the indication in the label pasted here.
  - In case of KSS-210A · · · · P/N 610-5608
  - In case of SOHOT4 · · · · · P/N 610-5603

Fig. 1

Circuit No.	Parts No.	- Description	Circuit No.	Parts No.	Description	
R 707 R 708 R 709 R 710	476-2330-J-10 476-2330-J-10 476-2330-J-10 476-2330-J-10	RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5%	C 216 C 217 C 218 C 219	151-0405 151-0412 151-0412 151-0405	CAP CER CP 0. 1UF/16V F Z  CAP CER CP 1200PF/50V B K CAP CER CP 1200PF/50V B K CAP CER CP 0. 1UF/16V F Z	
R 711 R 712 R 713 R 714 R 715	476-2330-J-10 476-2330-J-10 476-2330-J-10 476-2330-J-10 476-2330-J-10	RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5%	C 220 C 221 C 222 C 223	150-0439 150-0439 150-0439 151-0413	CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP CER CP 2200PF/50V B K	
R 716 R 717 R 718	476-2330-J-10 476-2330-J-10 479-5010-J-10	RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5% RES CHIP 0 OHM 1/10W	C 224 C 225 C 226	151-0405 151-0411 151-0413	CAP CER CP 0.1UF/16V F Z CAP CER CP 8200PF/50V B K CAP CER CP 2200PF/50V B K	
R 801 R 802	NOT USED 479-5010-J-10	NOT USED RES CHIP O OHM 1/10W	C 227 C 228 C 229 C 230	151-0411 150-0439 150-0439 151-0411	CAP CER CP 8200PF/50V B K CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP CER CP 8200PF/50V B K	
101 103 104 105 109	NOT USED NOT USED 150-0439 151-0405 151-0405	NOT USED NOT USED CAP E 10UF/16V 20% CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z	0 231	151-0411 150-0439 150-0439 150-0439	CAP CER CP 8200PF/50V B K  CAP E 10UF/16V 20%  CAP E 10UF/16V 20%  CAP E 10UF/16V 20%	
110 111 112 113	150-0439 NOT USED NOT USED 151-0406 151-0405	CAP E 10UF/16V 20%  NOT USED  NOT USED  CAP CER CP 100PF/50V SL J  CAP CER CP 0. 1UF/16V F Z	C 237 C 238 C 239	150-0439 150-0439 150-0439 150-0440 150-0439	CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP E 100UF/6. 3V 20% CAP E 10UF/16V 20%	
C 115 C 116 C 117 C 118 C 119	150-0439 NOT USED NOT USED 151-0406 151-0405	CAP E 10UF/16V 20% NOT USED NOT USED CAP CER CP 100PF/50V SL J CAP CER CP 0.1UF/16V F Z	C 240 C 301 C 302	150-0439 150-0440 151-0405 150-0441 151-0405	CAP E 10UF/16V 20%  CAP E 100UF/6. 3V 20%  CAP CER CP 0. 1UF/16V F Z  CAP E 1000UF/6. 3V 20%  CAP CER CP 0. 1UF/16V F Z	
C 120 C 122 C 123 C 124 C 125	151-0405 150-0439 NOT USED NOT USED NOT USED	CAP CER CP 0. 1UF/16V F Z CAP E 10UF/16V 20% NOT USED NOT USED NOT USED	C 306 C 401 C 403	150-0249 150-0440 151-0456 150-0249	CAP E 330UF 16V U-TYPE  CAP E 100UF/6. 3V 20%  CAP CER CP 0. 33UF/16V R K  CAP E 330UF/16V U-TYPE	
C 126 C 127 C 128	151-0405 150-0439 151-0405	CAP CER CP 0.1UF/16V F Z CAP E 10UF/16V 20% CAP CER CP 0.1UF/16V F Z	C 404 C 405 C 406	150-0440 NOT USED 150-0301	CAP E 100UF/6. 3V 20% NOT USED CAP E 470UF/6. 3V U-TYPE	
129 130 131 132	150-0439 151-0405 150-0439 150-0439	CAP E 10UF/16V 20% CAP CER CP 0.1UF/16V F Z CAP E 10UF/16V 20% CAP E 10UF/16V 20%	C 407 C 408 C 409 C 410 C 411	150-0329 150-0440 150-0440 150-0442 150-0443	CAP E 3. 3UF/50V U-TYPE CAP E 100UF/6. 3V 20% CAP E 100UF/6. 3V 20% CAP E 0. 47UF/50V 20% CAP E 22UF/6. 3V 20%	
133 135 136	151-0405 151-0405 NOT USED	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z NOT USED	C 412 C 412	150-0443 150-0467	CAP E 22UF/6. 3V 20% CAP E 47UF/6. 3V 20%	[KS, KM [SS, SM
137 138 139 141 143	151-0405 151-0405 150-0439 NOT USED 151-0409	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP E 10UF/16V 20% NOT USED CAP CER CP 1000PF/50V B K	C 413 C 414 C 415 C 416 C 417	150-0016 150-0442 151-0415 151-0416 151-0506	CAP E 1UF/50V CAP E 0.47UF/50V 20% CAP CER CP 3900PF/50V B K CAP CER CP 5PF/50V CH C CAP CER CP 0.033UF/25V B K	
C 144 C 145	151-0405 NOT USED	CAP CER CP 0.1UF/16V F Z	C 418 C 418	151-0418 151-0509	CAP CER CP 0. 01UF/50V B K CAP CER CP 0. 01UF/25V B K	
201 202	NOT USED 150-0440 NOT USED	NOT USED  CAP E 100UF/6. 3V 20%  NOT USED	C 419	151-0506 151-0418	CAP CER CP 0.033UF/25V B K	
202 203 204 206	NOT USED NOT USED 150-0439	NOT USED NOT USED CAP E 10UF/16V 20%	C 420	151-0509 151-0418 151-0509	CAP CER CP 0.01UF/25V B K CAP CER CP 0.01UF/50V B K CAP CER CP 0.01UF/25V B K	
C 207 C 208 C 209 C 210 C 211	150-0439 150-0439 150-0439 150-0439 151-0410	CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP E 10UF/16V 20% CAP CER CP 680PF/50V B K	C 421 C 422 C 423 C 424 C 425 C 426	479-5010-J-10 151-0413 151-0507 151-0506 151-0506	RES CHIP 00HM 1/10W CAP CER CP 2200PF/50V B K CAP CER CP 0. 1UF/25V B K CAP CER CP 0. 033UF/25V B K CAP CER CP 0. 033UF/25V B K	
C 212 C 213 C 214 C 215	151-0410 151-0405 151-0411 151-0411	CAP CER CP 680PF/50V B K CAP CER CP 0. 1UF/16V F Z CAP CER CP 8200PF/50V B K CAP CER CP 8200PF/50V B K	C 427 C 428 C 428	151-0507 151-0508 NOT USED	CAP CER CP 0. 1UF/25V B K CAP CER CP 0. 056UF/16V B K NOT USED	[KS, KN

[NOTE] [KS]: SEGA CD II, CD DRIVE UNIT P/N 610-5608 [KM]: MEGA CD II, CD DRIVE UNIT P/N 610-5608 [SS]: SEGA CD II. CD DRIVE UNIT P/N 610-5603 [SM]: MEGA CD II. CD DRIVE UNIT P/N 610-5603 4-4. Accessories/Package List

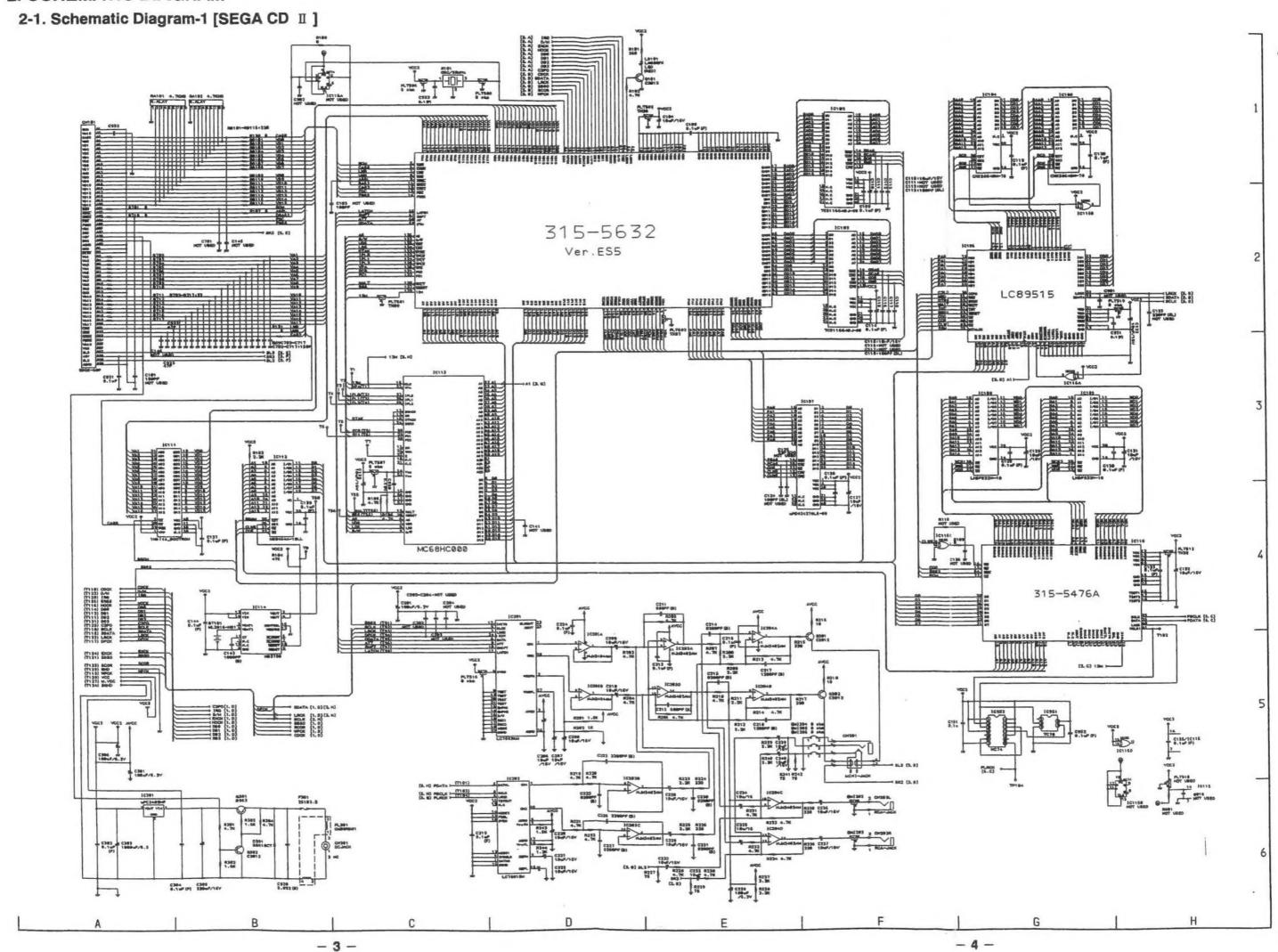
No.	Parts No.	Description		No.	Parts No.	Description
429	151-0507 151-0421	CAP CER CP 0.1UF/25V B K CAP CER CH 4700PF/50V B K		1	610-5507	ASSY CD ROM MDP ROAD AVENGER [KM, SM]
431	151-0409 151-0506	CAP CER CP 1000PF/50V B K CAP CER CP. 0. 033UF/25V B K		2 2 2	400-5100B 400-5100B-01 400-5122C	AC ADAPTOR AC120V/DC10V 1.2A [KS, SS] AC ADAPTOR AC120V/DC10V 1.2A [KS, SS] AC ADAPTOR AC230V/DC10V 1.2A [KM, SM]
433 435 436	151-0405 151-0422 151-0422	CAP CER CP 0.1UF/16V F Z CAP CER CP 24PF/50V CH J CAP CER CP 24PF/50V CH J		3456	600-6201 600-6204 610-5491	STEREO MIXING CABLE W/CORE AUDIO RCA CABLE L=2M UNION ASSY SPACER MEGA-CD2 EXPORT
438 439 441	151-0405 151-0405 151-0405	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z		7	250-5346 250-5333	HOLD PLATE SPACER MEGA-CD2 A RETAINER BRACKET CD2 EXPORT
442	151-0405 151-0405	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z		8 9 10	250-5329 250-5330 000-F00410	CONN PLATE A ACCESSORY CD2 EXP CONN PLATE B ACCESSORY CD2 EXP M SCR FH M4X10
444 447 449 450	151-0405 151-0405 151-0405 150-0441	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP E 1000UF/6. 3V 20%		11 11 11 11	671-3240-01 671-3240-01E 671-3240-03 671-3240-06	MA CTN SEGA-CD2 USA [KS, SS] MA CTN SEGA-CD2 USA E [KS, SS] MA CTN MEGA-CD2 MULTI 4180 [KM, SM] MA CTN MEGA-CD2 MULTI 4182 [KM, SM]
451 451	151-0436 151-0501	CAP CER CP 15PF/50V CH J CAP CER CP 8PF/50V CH J	[KS, KM] [SS, SM]	12 12	672-1257 672-1258	OPERATION MANUAL CD2 USA [KS, SS, OPERATION MANUAL CD2 MULTI [KM, SM]
452 453 454 455	151-0405 151-0405 151-0409 150-0016	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP CER CP 1000PF/50V B K CAP E 1UF/50V		12 12 12	672-1258-01 672-1258-02 672-1258-02A	OPERATION MANUAL CD2 MULTI 01 [KM, SM] OPERATION MANUAL CD2 MULTI 02 [KM, SM] OPERATION MANUAL CD2 MULTI 02A[KM, SM]
C 601	151-0507	CAP CER CP 0. 1UF/25V B K		13 13 13	671-3322-01 671-3980-01 671-3322-03	BOX & PACK SET CD2 USA [KS, SS] BOX & PACK SET CD2 USA DP [KS, SS] BOX & PACK SET CD2 MULTI 4180 [KM, SM]
701 702 703 704 705	NOT USED 151-0437 151-0437 151-0437	NOT USED CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J		13 13 13	671-3322-06 671-3980-03 671-3980-05	BOX & PACK SET CD2 MULTI 4182 [KM, SM] BOX & PACK SET CD2 MUL 4180 DP[KM, SM] BOX & PACK SET CD2 MUL 4182 DP[KM, SM]
C 706	151-0437 151-0437	CAP CER CP 150PF/50V CH J		14 14 14	670-3211 670-2779 670-3551	BUSINESS REPLY MAIL CD2 USA [KS, SS] EPILEPSY WARNING SHEET MULTI [KM, SM] EPILEPSY WARNING SHEET MUL V2 [KM, SM]
C 707 C 708 C 709 C 710	151-0437 151-0437 151-0437 151-0437	CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J		15 15	670-3311 670-3311-01	GUARANTEE CARD CD2 MULTI [KM, SM GUARANTEE CARD CD2 MULTI 01 [KM, SM
C 711 C 712 C 713 C 714 C 715	151-0437 151-0437 151-0437 151-0437 151-0437	CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J		16 17 19 20 21	SGM-4218 SGM-4245 SGM-4207 SGM-4220 SGM-4259	POLY BAG 300*550*0. 05 EXP 6 POLY BAG 200*310*0. 05 EXP 6 POLY BAG 70*100*0. 05 POLY BAG 120*300*0. 02 POLY BAG 80*180*0. 05
C 716 C 717	151-0437 151-0437	CAP CER CP 150PF/50V CH J CAP CER CP 150PF/50V CH J		22	670-3265	CROSS SELL POSTER GEN2 USA [KS, SS
C 810	NOT USED	NOT USED				
C 901 C 902 C 903 C 920 C 921	NOT USED NOT USED 150-0440 151-0438 151-0405	NOT USED NOT USED CAP E 100UF/6. 3V 20% CAP CER CP 0. 022UF/25V B K CAP CER CP 0. 1UF/16V F Z				
C 922 C 923 C 930 C 931 C 932	151-0439 151-0439 151-0405 151-0405 NOT USED	CAP CER CP 47PF/50V CH J CAP CER CP 47PF/50V CH J CAP CER CP 0.1UF/16V F Z CAP CER CP 0.1UF/16V F Z NOT USED				
C 933 C 934 C 951 C 952	151-0405 151-0405 151-0405 151-0405	CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z CAP CER CP 0. 1UF/16V F Z				

[NOTE] [KS]: SEGA CDII, CD DRIVE UNIT P/N 610-5608 [KM]: MEGA CDII, CD DRIVE UNIT P/N 610-5608

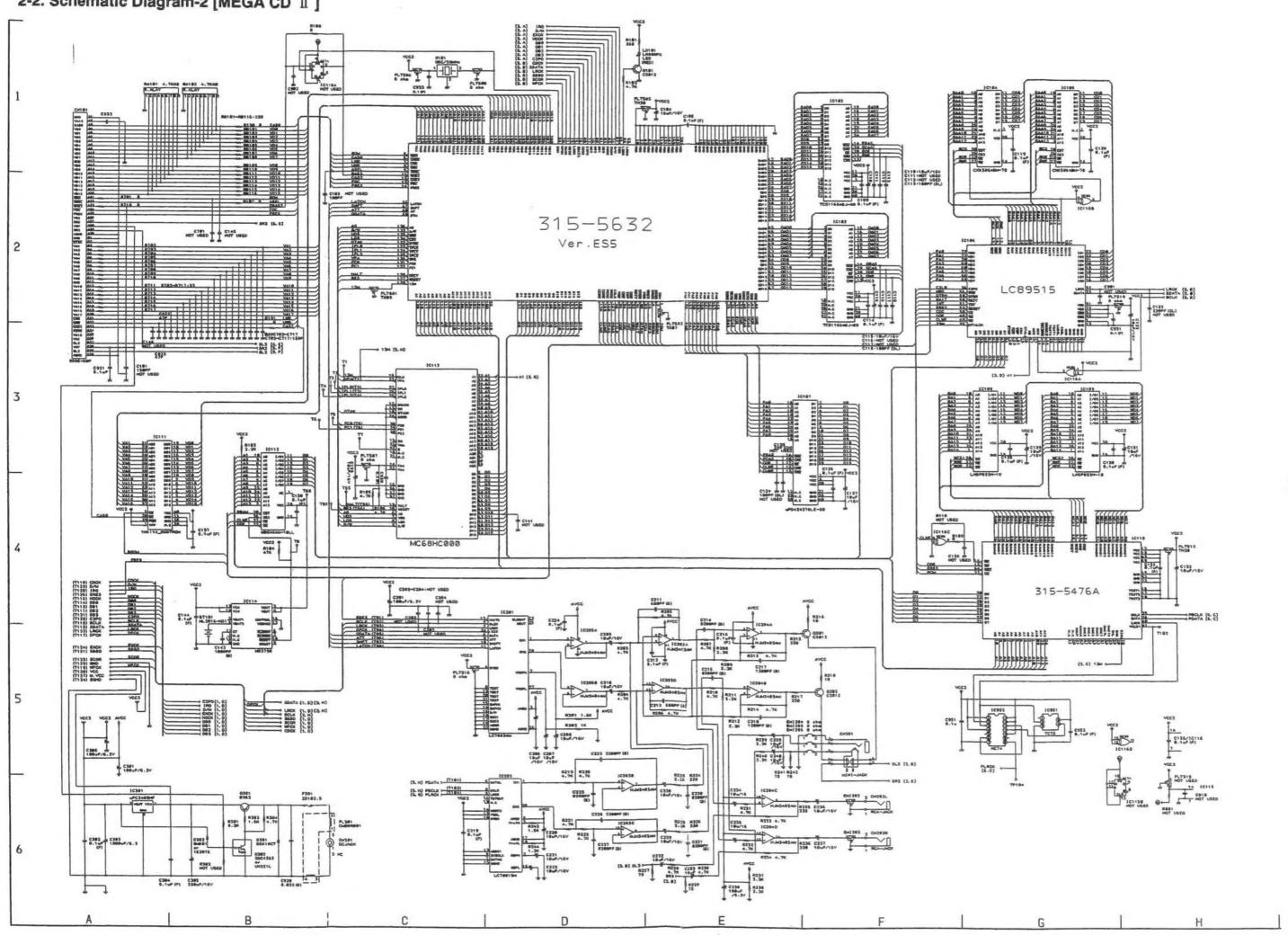
[SS]: SEGA CD II. CD DRIVE UNIT P/N 610-5603 [SM]: MEGA CD II. CD DRIVE UNIT P/N 610-5603 — 16 —

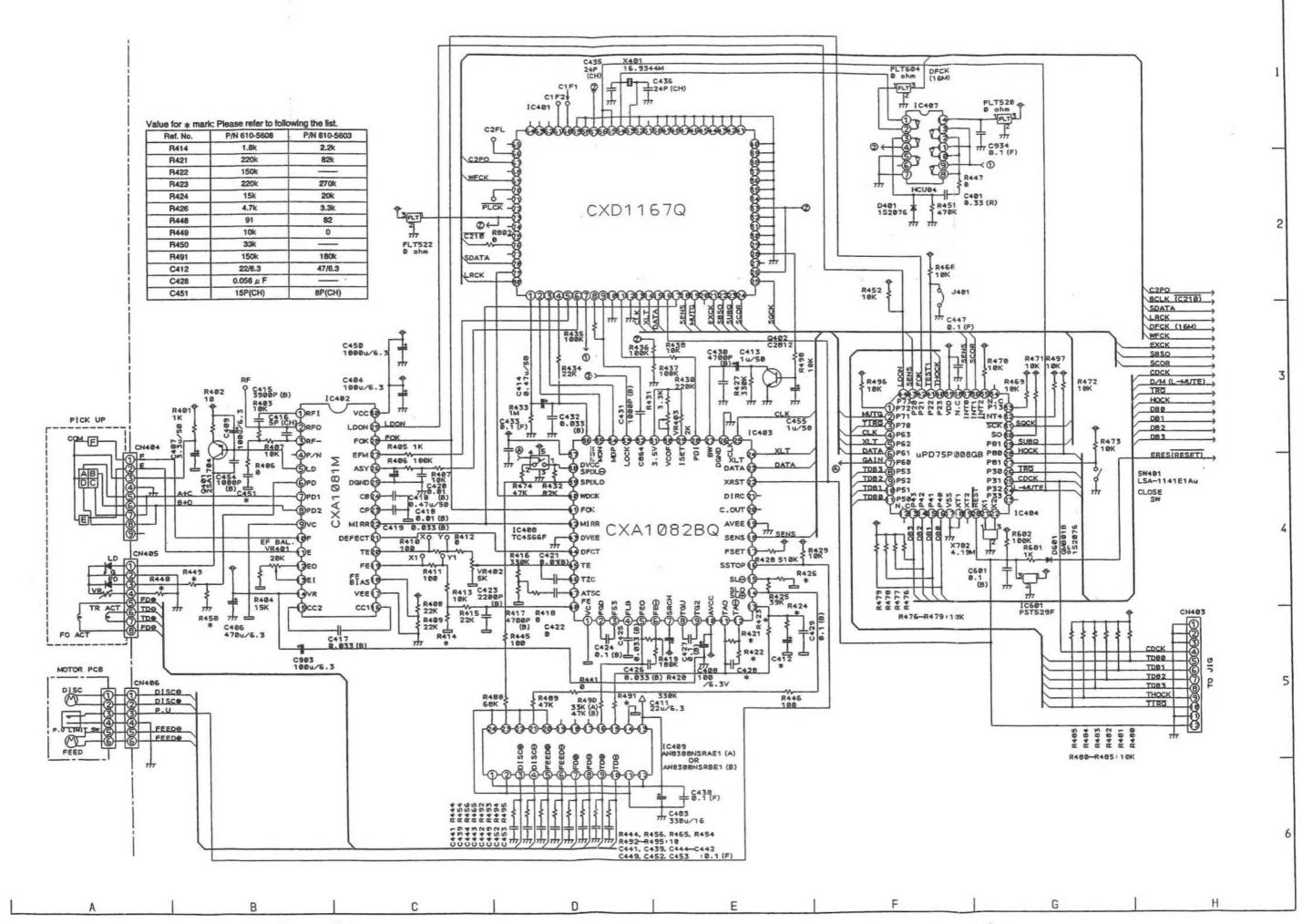
# SEGA

### 2. SCHEMATIC DIAGRAM



# 2-2. Schematic Diagram-2 [MEGA CD II ]





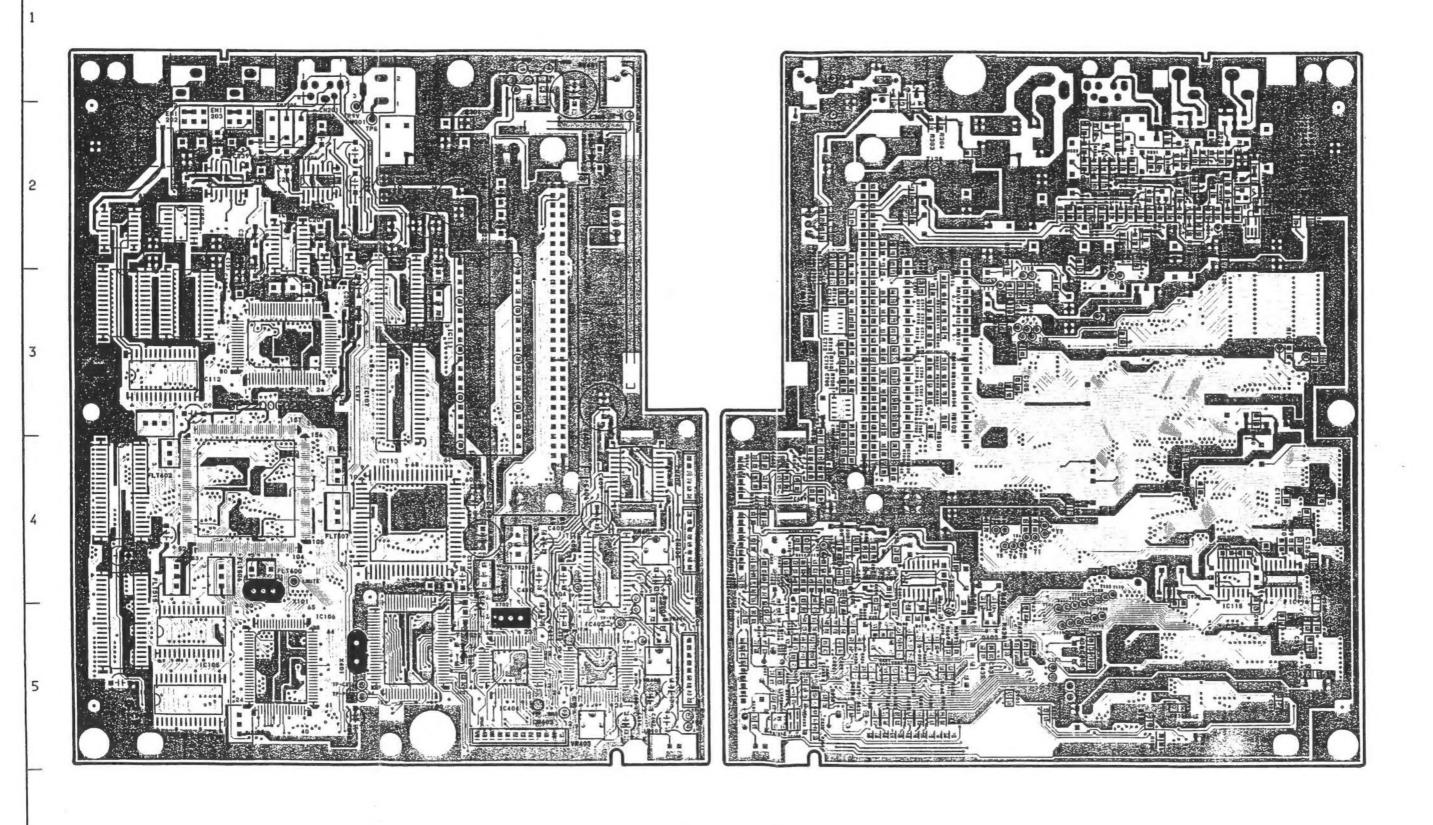
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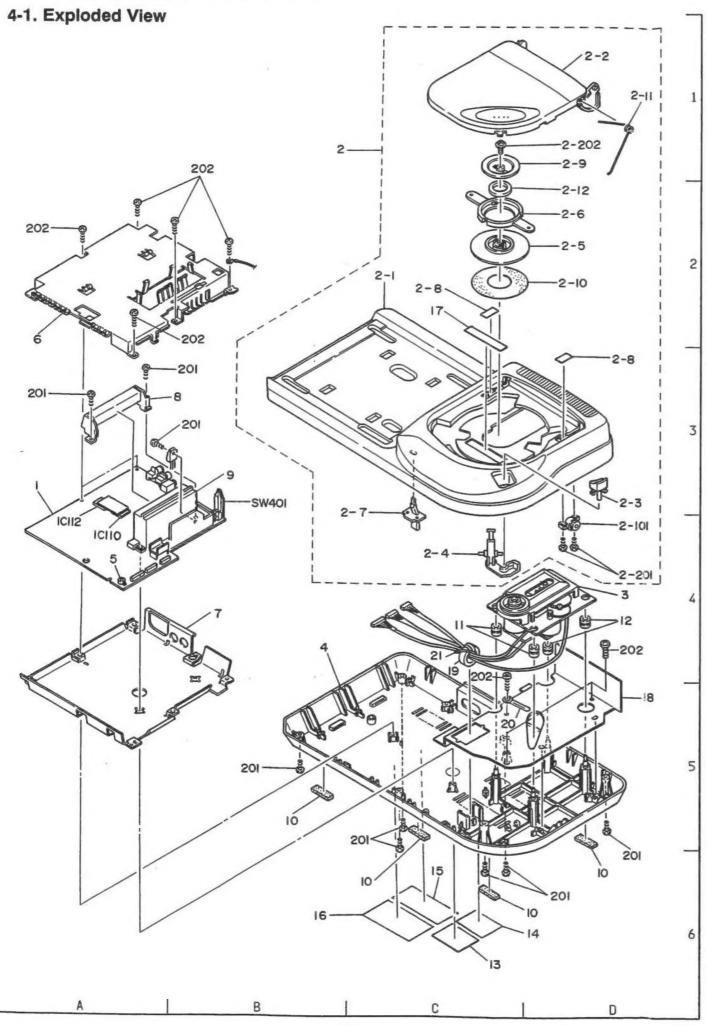
## 3. CIRCUIT BOARD DIAGRAM

3-1. Main Circuit Board [Top View]

3-2. Main Circuit Board [Bottom View]



## 4. EXPLODED VIEW & PARTS LIST



### 4-2. Mechanical Parts List

### 4-3. Electrical Parts List

Ref. No.	Parts No.	Description		Circuit No.	Parts No.	Description
1	837-10210 837-10213	IC BD SEGA-CD2 MAIN USA CH IC BD SEGA-CD2 MAIN USA CHSS	[KS] [SS]	10101	315-5632	IC CUSTOM CHIP MCE3 FUJITSU
1	837-10211 837-10214	IC BD MEGA-CD2 MAIN MULTI CH IC BD MEGA-CD2 MAIN MULTI CHS	S[SM]	IC102 IC102 IC102	315-0745-80 315-0804-70 315-0804-80	IC TC511664BJ-80 SOJ TOSHIBA IC UPD421664LE-70 SOJ NEC IC UPD421664-80 SOJ NEC
2	610-5466 610-5467	ASSY TOP CASE SEGA-CD2 USA ASSY TOP CASE MEGA-CD2 MULTI	[KS, SS] [KM, SM]	IC102 IC103	315-0805-80	IC UPD421664-80L SOJ NEC
2-1	253-6661	TOP CASE MEGA-CD2 EXPORT		1C103 1C103	315-0745-80 315-0804-70 315-0804-80 ×	IC TC511664BJ-80 SOJ TOSHIBA IC UPD421664LE-70 SOJ NEC IC UPD421664-80 SOJ NEC
2-2 2-2	253-6635 253-6636	DOOR SEGA-CD2 USA DOOR MEGA-CD2 MULTI	[KS, SS] [KM, SM]	1C103	315-0805-80	IC UPD421664-80L SOJ NEC
2-3 2-3	253-6562-01 253-6562-02	DOOR KNOB SEGA-CD2 USA DOOR KNOB MEGA-CD2 MULTI	[KS, SS] [KM, SM]	IC104 IC104 IC104 IC104	315-0651 315-0651-90 315-0773 315-0796-70	IC MB8464A-80 SOP 28P FUJITSU IC MB8464A-90 SOP 28P IC CXK5864CM-70LL-T6 SOP SONY IC CXK5864BM-70 SOP SONY
2-4 2-5 2-6 2-7 2-8	253-6563 253-6564 253-6565 253-6566 253-6569	DOOR LEVER MEGA-CD2 CHUCK DISK MEGA-CD2 CHUCK HOLDER MEGA-CD2 LED LENS MEGA-CD2 BLIND SHEET MEGA-CD2		IC105 IC105 IC105 IC105	315-0651 315-0651-90 315-0773 315-0796-70	IC MB8464A-80 SOP 28P FUJITSU IC MB8464A-90 SOP 28P IC CXK5864CM-70LL-T6 SOP SONY IC CXK5864BM-70 SOP SONY
2-9 2-10	250-5306 601-6983	CONNECT PLATE MEGA-CD2 CHUCK SHEET MEGA-CD2		IC106	313-5181-01	IC LC89515 OFP SANYO
2-11 2-12 2-101	125-5101 113-0020 601-7018	DOOR SPRING MEGA-CD2 MAGNET MEGA-CD2 TK-4094 TOKII OIL DAMPER MEGA-CD2	N	IC107 IC107 IC107 IC107	315-0739-80 315-0777-80 315-0818 315-0822-80	IC UPD424270LE-80 NEC IC HM514270AJ-8 SOJ HITACHI IC M5M44270AJ-8 SOJ MITSUBISHI
2-201	012-P00210 029-000016	TAP SCR PH 2X10 CUP SCR 2. 6*5		IC108	315-0677	IC MN414270SJ-08 SOJ PANASONIC IC TC51832FL-10 SOP TOSHIBA
3	610-5608 610-5603	CD DRIVE UNIT MEGA-CD2 V2 CD DRIVE UNIT MEGA-CD2 SS	[KS, KM] [SS, SM]	1C108 1C108	315-0759-10 315-0760-10	IC TC51832AFL-10 SOP TOSHIBA IC LH5P832N-10 SOP SHARP
4 4	253-6651 253-6651A	BOTTOM CASE MEGA-CD2 EXPORT BOTTOM CASE MCD2 EXPORT ALPEX	[KS, SS] [KM, SM]	IC109 IC109 IC109	315-0677 315-0759-10 315-0760-10	IC TC51832FL-10 SOP TOSHIBA IC TC51832AFL-10 SOP TOSHIBA IC LH5P832N-10 SOP SHARP
5 6 7 8	253-6567 250-5327	LED HOLDER MEGA-CD2 TOP SHIELD CD2 EXPORT		IC110	315-5476A	IC CUSTOM CHIP RF5C164A RICHO
7 8 9	250-5328 250-5325 250-5326	BOTTOM SHIELD CD2 EXPORT CONNECTER SHIELD A CD2 EXPORT CONNECTER SHIELD B CD2 EXPORT		IC111 IC111 IC111 IC111	MPR-15511 MPR-15511A MPR-15512 MPR-15512A	SEGA-CD2 USA BOOT ROM
10 11 12	601-6982 601-6984 601-7002	RUBBER FOOT MEGA-CD2 RUBBER DAMPER A MEGA-CD2 RUBBER DAMPER B MEGA-CD2		IC112	315-0635	IC MB8464A-10LL PF-G-BND FUJIT
13	670-3119 670-3120	LABEL SER. NO. MK-4101 USA LABEL SER. NO. MEGA-CD2 MULTI	[KS, SS]	IC113 IC113	315-0637 315-0650	IC MC68HC000FN12 PLCC MOTOROLA IC HD68HC000CP-12 PLCC HITACHI
14	670-3126-01 670-2774	LABEL FDA MK-4101 USA LABEL CAUTION LASER EUROPE	[KS, SS] [KM, SM]	IC114 IC115 IC116	313-5190 NOT USED 314-0549-01	IC MB3790 SOP 16PIN FUJITSU NOT USED IC TC74HC86 SOP TOSHIBA
15 15	670-0248 670-4562	SEAL CUSTOMER SERVICE LABEL RFI & CE MARK	[KS, SS] [KM, SM]	1C201 1C202	313-5184 313-5231	IC LC7883KM SOP SANYO IC LC78815M SOP 20P SANYO
6	670-3204A	LABEL FCC & ALPEX SCD2 USA	[KS, SS]	1C203 1C204 1C205	313-5249 313-5249	IC NJM3403AM SOP IC NJM3403AM SOP
7 7	670-3210 670-3209	CAUTION LABEL MEGA-CD2 MULTI CAUTION LABEL SEGA-CD2 USA	[KM, SHI] [KS, SS]	10301	313-5250 313-5193	IC NJM3404AM SOP IC UPC2405HF NEC
8	250-5350	CD UNIT SHIELD CD2 EXPORT		10401	315-0798	IC CXD1167Q QFP
9	270-5074 280-5242	FERRITE CORE CD2 EXPORT HARNESS LUG L=35MM		IC402 IC403	313-5251 313-5252	IC CXA1081M SOP IC CXA1082Q QFP
11	012-P00310	PLASTIC TIE BELT 100 M/M TAP SCR PH 3X10		1C404 1C404 1C404	315-0799 315-0808 315-0848	1C UPD75P008GB QFP 1C UPD75006GB QFP 1C UPD75006GB-639-3B4
)2	012-P00308	TAP SCR PH 3X8		IC407 IC408	314-0571 313-5253	IC 74HCU04 SOP IC TC4S66F-TE85R
				1C409 1C409	314-0572 314-0585	IC AN8388SR SOP IC AN8388NSRBE1 SOP
				IC601	314-0573	IC PST529F MMP3P RESET IC
				1C951 1C952	315-0853 314-0407	IC TC7SO4F IC 74HC74

[NOTE] [KS]: SEGA CDII, CD DRIVE UNIT P/N 610-5608 [KM]: MEGA CDII, CD DRIVE UNIT P/N 610-5608

SSJ: SEGA CDII.CD DRIVE UNIT P/N 610-5603 SMJ: MEGA CDII.CD DRIVE UNIT P/N 610-5603

Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
0 101 0 101	482-5191 482-5192	XSTR CHIP 2SC2812-5-CP-TB XSTR CHIP 2SC2812-6-CP-TB	RA102	477-0152	RES PACK CP 8*4.7K OHM W/COMM
0 201 0 201	482-5191 482-5192	XSTR CHIP 2SC2812-5-CP-TB XSTR CHIP 2SC2812-6-CP-TB	R8101 R8102 R8103 F8104	476-2221-J-10 476-2221-J-10 476-2221-J-10 476-2221-J-10	RES CHIP 220 OHM 1/10W 5% RES CHIP 220 OHM 1/10W 5% RES CHIP 220 OHM 1/10W 5% RES CHIP 220 OHM 1/10W 5%
0 202 0 202	482-5191 482-5192	XSTR CHIP 2SC2812-5-CP-TB XSTR CHIP 2SC2812-6-CP-TB	FB105	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
301 2 301 2 301	482-5193 482-5194 482-5195	XSTR 2SB963 M XSTR 2SB963 L XSTR 2SB963 K	RB106 RB107 RB108 RB109 RB110	476-2221-J-10 476-2221-J-10 476-2221-J-10 476-2221-J-10 476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
0 302 0 302 0 302 0 302	482-5191 482-5192 482-5204 482-5205	XSTR CHIP 2SC2812-5-CP-TB [KS, SS] XSTR CHIP 2SC2812-6-CP-TB [KS, SS] XSTR CHIP 2SC4362 [KM, SM] XSTR CHIP UN221L [KM, SM]	RB111 RB112 RB113 RB114	476-2221-J-10 476-2221-J-10 476-2221-J-10	RES CHIP 220 OHM 1/10W 5% RES CHIP 220 OHM 1/10W 5% RES CHIP 220 OHM 1/10W 5%
0 401 · 0 401	482-5196 482-5197	XSTR 2SA1704 S-AN XSTR 2SA1704 T-AN	RB115	476-2221-J-10 476-2221-J-10	RES CHIP 220 OHM 1/10W 5% RES CHIP 220 OHM 1/10W 5%
0 402 0 402	482-5191	XSTR CHIP 2SC2812-5-CP-TB	R8116	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
0 301	482-5192 481-5119	XSTR CHIP 2SC2812-6-CP-TB DIODE DSK10-ET1	SW401 VR401	250-5342 475-0073	SW COVER CD2 SY  V. RES C TRM 20K OHM B RADIAL
0 302 0 302	481-5120 NOT USED	DI ODE 152076RE [KM, SM] NOT USED [KS, SS]	VR402 VR403 VR404	475-0074 475-0075 NOT USED	V. RES C TRM 20K OHM B RADIAL V. RES C TRM 2K OHM B RADIAL NOT USED
D 401 D 601	481-5120 481-5120	DIODE 1S2076RE DIODE 1S2076RE	X 101 X 401 X 702	230-5103 230-5104 230-5109	XTAL OSC 50. 000MHZ JX0-7 XTAL OSC 16. 9344MHZ HC-49U CER OSC 4. 19MHZ
BT101 CN101	401-0037 209-5068	BATTERY ML2016-HS1 SANYO	R 101	476-2361-J-10	RES CHIP 360 OHM 1/10W 5%
CN201 CN202	210-5114 210-5115	EDGE CONN 60PIN CD2 CUSTOM STEREO MINIJACK HSJ2000-01-010 RCA JACK YKC21-0242	R 102 R 103 R 104 R 105	476-2472-J-10 476-2222-J-10 476-2473-J-10 476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5% RES CHIP 2.2KOHM 1/10W 5% RES CHIP 47KOHM 1/10W 5% RES CHIP 4.7KOHM 1/10W 5%
CN301	212-5378	DC JACK HECO470-01-630	R 106 R 107	476-2472-J-10 479-5010-J-10	RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 0 OHM 1/10W
CN403 CN404 CN405 CN406	212-5382 212-5379 212-5380 212-5381	PIN HEADER ST IL-S-12P-S2T2-EF CONN BASE 9P B9B-PH-K-S CONN BASE 8P B8B-PH-K-S CONN BASE 6P B6B-PH-K-S	R 108 R 109 R 110	479-5010-J-10 479-5010-J-10 NOT USED	RES CHIP 0 OHM 1/10W RES CHIP 0 OHM 1/10W NOT USED
EM1202 EM1202 EM1202	271-0007 271-0073 479-5009	EMI FILTER STX222MB EMI FILTER ED31-D222M RES 0 OHM 1/4W	R 130 R 131 R 201	479-5010-J-10 479-5010-J-10 476-2162-J-10	RES CHIP 0 OHM 1/10W RES CHIP 0 OHM 1/10W RES CHIP 1. 6KOHM 1/10W 5%
EM1203 EM1203 EM1203	271-0007 271-0073 479-5009	EMI FILTER STX222MB EMI FILTER ED31-D222M RES 0 OHM 1/4W	R 202 R 203 R 204 R 205	476-2102-J-10 476-2472-J-10 476-2472-J-10 476-2472-J-10	RES CHIP 1. KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5%
EM1204 EM1205 EM1206	479-5009 479-5009 479-5009	RES 0 OHM 1/4W RES 0 OHM 1/4W RES 0 OHM 1/4W	R 206 R 207 R 208 R 209	476-2472-J-10 476-2472-J-10 476-2222-J-10 476-2222-J-10	RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 2. 2KOHM 1/10W 5% RES CHIP 2. 2KOHM 1/10W 5%
F 301	514-5060	FUSE PICO II 25102.5 AXIAL	R 210	476-2472-J-10	RES CHIP 4. 7KOHM 1/10W 5%
FL301 FLT505 FLT506 FLT507	271-0054 271-0058 479-5009 479-5009	FILMAC TH30333MAT RES 0 OHM 1/4W RES 0 OHM 1/4W	R 211 R 212 R 213 R 214 R 215	476-2222-J-10 476-2222-J-10 476-2472-J-10 476-2472-J-10 476-2331-J-10	RES CHIP 2. 2KOHM 1/10W 5% RES CHIP 2. 2KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 330 OHM 1/10W 5%
FLT512 FLT516 FLT519	271-0058 479-5009 479-5009	FILMAC TH30333MAT RES 0 OHM 1/4W RES 0 OHM 1/4W	R 216 R 217 R 218	476-2100-J-10 476-2331-J-10 476-2100-J-10	RES CHIP 10 OHM 1/10W 5% RES CHIP 330 OHM 1/10W 5% RES CHIP 10 OHM 1/10W 5%
FLT520 FLT522	479-5009 479-5009	RES 0 OHM 1/4W RES 0 OHM 1/4W	R 219 R 220	476-2472-J-10 476-2472-J-10	RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5%
FLT600 FLT601 FLT602 FLT604	479-5009 271-0059 271-0060 479-5009	RES O OHM 1/4W FILMAC TX09500NBT FILMAC TX07250NBT RES O OHM 1/4W	R 221 R 222 R 223 R 224 R 225	476-2472-J-10 476-2472-J-10 476-2222-J-10 476-2331-J-10 476-2222-J-10	RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 2. 2KOHM 1/10W 5% RES CHIP 330 OHM 1/10W 5% RES CHIP 2. 2KOHM 1/10W 5%
LD101	390-5449	LED LN88RPX	R 226	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%
RA101	477-0152	RES PACK CP 8*4.7K OHM W/COMM ,CD DRIVE UNIT P/N 610-5608 [SS]: SE	R 227	476-2750-J-10 D DRIVE UNIT P/N	RES CHIP 75 OHM 1/10W 5%

No.	Parts No.	Description		Circuit No.	Parts No.	Description
R 228 R 229 R 230	476-2472-J-10 476-2750-J-10 476-2472-J-10	RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 75 OHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5%		R 432 R 433 R 434 R 435	476-2823-J-10 476-2105-J-10 476-2223-J-10 476-2104-J-10	RES CHIP 82K OHM 1/10W 5% RES CHIP 1MOHM 1/10W 5% RES CHIP 22KOHM 1/10W 5% RES CHIP 100KOHM 1/10W 5%
R 231 R 232 R 233 R 234 R 235	476-2472-J-10 476-2472-J-10 476-2472-J-10 476-2472-J-10 476-2331-J-10	RES CHIP 4. 7KOHM 1/10W 5% RES CHIP 330 OHM 1/10W 5%		R 436 R 437 R 438 R 441 R 444	476-2104-J-10 476-2104-J-10 476-2103-J-10 479-5010-J-10 476-2100-J-10	RES CHIP 100KOHM 1/10W 5%  RES CHIP 100KOHM 1/10W 5%  RES CHIP 10KOHM 1/10W 5%  RES CHIP 0 OHM 1/10W  RES CHIP 10 OHM 1/10W 5%
R 236 R 237 R 238 R 239 R 240	476-2331-J-10 476-2332-J-10 476-2332-J-10 476-2332-J-10 476-2332-J-10	RES CHIP 330 OHM 1/10W 5% RES CHIP 3. 3KOHM 1/10W 5%		R 445 R 446 R 447	476-2101-J-10 476-2101-J-10 479-5010-J-10	RES CHIP 100 OHM 1/10W 5%  RES CHIP 100 OHM 1/10W 5%  RES CHIP 100 OHM 1/10W 5%
R 241 R 242 R 243	476-2750-J-10 476-2750-J-10 476-2152-J-10	RES CHIP 75 OHM 1/10W 5% RES CHIP 75 OHM 1/10W 5% RES CHIP 1.5KOHM 1/10W 5%		R 448 R 448 R 449	476-2820-J-10 476-2910-J-10 476-2103-J-10	RES CHIP 82 OHM 1/10W 5% [SS, SM RES CHIP 91 OHM 1/10W 5% [KS, KM RES CHIP 10KOHM 1/10W 5% [KS, KM
R 244 R 301	476-2122-J-10 476-2472-J-10	RES CHIP 1. 2KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5%	[KS, SS]	R 449	479-5010-J-10 476-2333-J-10	RES CHIP O OHM 1/10W [SS, SW
R 301	476-2822-J-10	RES CHIP 8. 2KOHM 1/10W 5%	[KM, SM]	R 450	NOT USED	RES CHIP 33KOHM 1/10W 5% [KS, KN NOT USED [SS, SN
R 302 R 302 R 303 R 304	476-2162-J-10 NOT USED 476-2162-J-10 476-2472-J-10	RES CHIP 1. 6KOHM 1/10W 5% NOT USED RES CHIP 1. 6KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5%	[KS, SS] [KM, SM]	R 451 R 452 R 454 R 456 R 465	476-2474-J-10 476-2103-J-10 476-2100-J-10 476-2100-J-10 476-2100-J-10	RES CHIP 470KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5% RES CHIP 10 OHM 1/10W 5% RES CHIP 10 OHM 1/10W 5% RES CHIP 10 OHM 1/10W 5%
R 407 R 402 R 403 R 404 R 405	476-2102-J-10 476-2100-J-10 476-2103-J-10 476-2153-J-10 476-2102-J-10	RES CHIP 1KOHM 1/10W 5% RES CHIP 10 OHM 1/10W 5% RES CHIP 10 KOHM 1/10W 5% RES CHIP 15KOHM 1/10W 5% RES CHIP 15KOHM 1/10W 5%		R 468 R 469 R 470 R 471 R 472	476-2100-3-10 476-2103-J-10 476-2103-J-10 476-2103-J-10 476-2103-J-10	RES CHIP 10 OHM 1/10W 5% RES CHIP 10KOHM 1/10W 5%
R 406 R 407 R 408 R 409 R 410	476-2104-J-10 476-2103-J-10 476-2223-J-10 476-2223-J-10 476-2101-J-10	RES CHIP 100KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5% RES CHIP 22KOHM 1/10W 5% RES CHIP 22KOHM 1/10W 5% RES CHIP 100 OHM 1/10W 5%		R 473 R 474 R 476 R 477 R 478	476-2103-J-10 476-2473-J-10 476-2103-J-10 476-2103-J-10 476-2103-J-10	RES CHIP 10KOHM 1/10W 5% RES CHIP 47KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5%
R 412 R 412 R 413	476-2101-J-10 479-5010-J-10 476-2103-J-10	RES CHIP 100 OHM 1/10W 5% RES CHIP 0 OHM 1/10W RES CHIP 10KOHM 1/10W 5%		R 479 R 480 R 481 R 482	476-2103-J-10 476-2103-J-10 476-2103-J-10 476-2103-J-10	RES CHIP 10K0HM 1/10W 5% RES CHIP 10K0HM 1/10W 5% RES CHIP 10K0HM 1/10W 5% RES CHIP 10K0HM 1/10W 5%
R 414 R 414	476-2182-J-10 476-2222-J-10	RES CHIP 1. 8KOHM 1/10W 5% RES CHIP 2. 2KOHM 1/10W 5%	[KS, KM] [SS, SM]	R 483	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 415 R 416 R 417 R 418 R 419	476-2223-J-10 476-2334-J-10 151-0421 479-5010-J-10 476-2184-J-10	RES CHIP 22KOHM 1/10W 5% RES CHIP 330K 0HM 1/10W 5% CAP CER CH 4700PF/50V B K RES CHIP 0 0HM 1/10W RES CHIP 180KOHM 1/10W 5%		R 484 R 485 R 486 R 487 R 488	476-2103-J-10 476-2103-J-10 479-5010-J-10 476-2103-J-10 476-2683-J-10	RES CHIP 10KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5% RES CHIP 0 HM 1/10W RES CHIP 10KOHM 1/10W 5% RES CHIP 68KOHM 1/10W 5%
R 420	476-2334-J-10	RES CHIP 330K OHM 1/10W 5%		R 489 R 490	476-2473-J-10 476-2333-J-10	RES CHIP 47KOHM 1/10W 5% RES CHIP 33KOHM 1/10W 5%
R 421 R 421	476-2224-J-10 476-2823-J-10	RES CHIP 220KOHM 1/10W 5% RES CHIP 82KOHM 1/10W 5%	[KS, KM] [SS, SM]	R 490 R 491	476-2473-J-10 476-2154-J-10	RES CHIP 47KOHM 1/10W 5%  RES CHIP 150KOHM 1/10W 5% [KS, KA
R 422 R 422	476-2154-J-10 NOT USED	RES CHIP 150K OHM 1/10W 5% NOT USED	[KS, KM] [SS, SM]	R 491 R 492	476-2184-J-10 476-2100-J-10	RES CHIP 180KOHM 1/10W 5% [SS, SM RES CHIP 10 OHM 1/10W 5%
R 423 R 423	476-2224-J-10 476-2274-J-10	RES CHIP 220K0HM 1/10W 5% RES CHIP 270K0HM 1/10W 5%	[KS, KM] [SS, SM]	R 493 R 494 R 495	476-2100-J-10 476-2100-J-10 476-2100-J-10	RES CHIP 10 OHM 1/10W 5% RES CHIP 10 OHM 1/10W 5% RES CHIP 10 OHM 1/10W 5%
R 424 R 424	476-2153-J-10 476-2203-J-10	RES CHIP 15KOHM 1/10W 5% RES CHIP 20KOHM 1/10W 5%	[KS, KM] [SS, SM]	R 496 R 497	476-2103-J-10 476-2103-J-10	RES CHIP 10K0HM 1/10W 5%  RES CHIP 10K0HM 1/10W 5%
R 425	476-2393-J-10	RES CHIP 39KOHM 1/10W 5%		R 498	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 426	476-2332-J-10 476-2472-J-10	RES CHIP 3. 3KOHM 1/10W 5% RES CHIP 4. 7KOHM 1/10W 5%	[SS, SM] [KS, KM]	R 601 R 502	476-2102-J-10 476-2104-J-10	RES CHIP 100KOHM 1/10W 5% RES CHIP 100KOHM 1/10W 5%
R 427 R 423 R 429 R 430 R 431	476-2334-J-10 476-2514-J-10 476-2103-J-10 476-2224-J-10 476-2332-J-10	RES CHIP 330K OHM 1/10W 5% RES CHIP 510KOHM 1/10W 5% RES CHIP 10KOHM 1/10W 5% RES CHIP 220KOHM 1/10W 5% RES CHIP 3, 3KOHM 1/10W 5%		R 701 R 702 R 703 R 704 R 705	479-5010-J-10 476-2330-J-10 476-2330-J-10 476-2330-J-10 476-2330-J-10	RES CHIP 0 OHM 1/10W RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5% RES CHIP 33 OHM 1/10W 5%
			,	R 706	476-2330-J-10	RES CHIP 33 OHM 1/10W 5%

[NOTE] [KS]: SEGA CDII, CD DRIVE UNIT P/N 610-5608 [KM]: MEGA CDII, CD DRIVE UNIT P/N 610-5608 [SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603 [SM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603